

#### Machine Id LIEBHERR 1400 CR4405 (S/N 0015-108) Component Front Left Track Drive Fluid GEAR OIL ISO 220 (--- GAL)

# RECOMMENDATION

Resample at the next service interval to monitor.

#### **WEAR**

All component wear rates are normal.

### CONTAMINATION

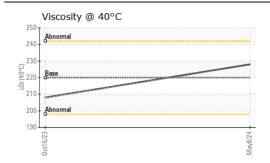
There is no indication of any contamination in the oil.

## FLUID CONDITION

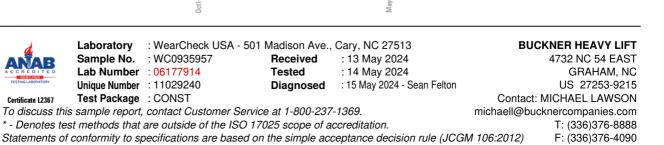
The condition of the oil is acceptable for the time in service.

Test UOM Method Limit/Abn Current History1	History2
Sample Number Client Info WC0935957 WC082336	0
Sample Date Client Info 08 May 2024 16 Oct 202	3
Machine Age hrs Client Info 9661 9409	
Oil Age hrs Client Info 252 1000	
Filter AgehrsClient Info01000	
Oil Changed Client Info Changed Changed	
Filter Changed Client Info Not Changed Changed	
Sample Status NORMAL NORMAL	
Iron ppm ASTM D5185m >1000 0 3   Observation ASTM D5195m 20 1 1	
Chromium ppm ASTM D5185m >30 <1 <1	
Nickel ppm ASTM D5185m >7 <1	
Titanium ppm ASTM D5185m 0 <1	
Silver ppm ASTM D5185m 0 0   Alumination ASTM D5185m 0 0 0	
Aluminum ppm ASTM D5185m >25 <1 4	
Lead ppm ASTM D5185m >50 0 0	
Copper ppm ASTM D5185m >100 0 <1	
Tin ppm ASTM D5185m >5 1 0	
Vanadium ppm ASTM D5185m 0 <1	
White Metal scalar *Visual NONE NONE NONE	
Yellow Metal scalar *Visual NONE NONE NONE	
Silicon ppm ASTM D5185m >150 0 2	
Potassium ppm ASTM D5185m >20 3 3	
Water WC Method >0.2 NEG NEG	
Silt scalar *Visual NONE NONE NONE	
Debris scalar *Visual NONE NONE NONE	
Sand/Dirt scalar *Visual NONE NONE NONE	
Appearance scalar *Visual NORML NORML NORM	L
Odor scalar *Visual NORML NORML NORM	L
Emulsified Water scalar *Visual >0.2 NEG NEG	
Sodium ppm ASTM D5185m 0 2	
Boron ppm ASTM D5185m 50 15 19	
Barium ppm ASTM D5185m 15 <1 <1	
Molybdenum ppm ASTM D5185m 15 0 0	
Manganese ppm ASTM D5185m 0 0	
Magnesium ppm ASTM D5185m 50 3 1	
Calcium ppm ASTM D5185m 50 6 40	
Calcium ppm ASTM D5185m 50 6 40	
Calcium ppm ASTM D5185m 50 6 40   Phosphorus ppm ASTM D5185m 350 1045 841	

Contact/Location: MICHAEL LAWSON - BUCGRA



Ferrous Alloys 10 mdd 0 Non-ferrous Metals 10 lead maa Viscosity @ 40°C 24 240 235 230 22! cSt (40°C) 21 210 205 200 Abnorma 195 0ct16/23 May8/24



Certificate L2367

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